

U.S. Application No. 09/902,261

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A display device for displaying, on a display screen, information specified in a document description language for a structured document, the information being displayed in a mode prescribed for the document description language, and performing a screen switching in response to a user input, said device comprising:

an analyzer operable to analyze the information, and operable to divide the information into a plurality of component elements;

a rule change instruction part operable to make an instruction for a change of rules to be applied when displaying the information;

a layout rule change part containing a plurality of predetermined layout rules, each of which defines a layout method for each type of the component elements of the information, and which are applicable to the component elements, said layout rule change part operable to select one of the layout rules responding to the instruction from said rule change instruction part;

a layout part operable to lay out each of the component elements derived by said analyzer according to the layout rule selected by said layout rule change part, and to generate a layout result;

a user input part operable to receive the user input;

a display range determination part operable to determine a display range of the information layout result based on the user input; and

a display part operable to generate screen data of in the display range determined by said display range determination part based on the component elements derived by said analyzer and

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[[a]] the layout result of each of the component elements, and operable to display the screen data on the display screen.

2. (Previously Presented) The display device according to claim 1, wherein the information includes at least one or more of a text element, a table element, and an image element.

3. (Previously Presented) The display device according to claim 1, wherein the document description language is a markup language or a hypertext description language.

4. (Previously Presented) The display device according to claim 1, wherein said rule change instruction part receives the user input, and makes the instruction for the change of the layout rules.

5. (Previously Presented) The display device according to claim 1, wherein said rule change instruction part refers to the display range determined by said display range determination part, and makes the instruction for the change of the layout rules based on an attribute of each of the component elements included in the display range.

6. (Previously Presented) The display device according to claim 1, wherein said rule change instruction part refers to the display range determined by said display range determination

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part, and makes the instruction for the change of the layout rules based on the layout result of each of the component elements included in the display range.

7. (Previously Presented) The display device according to claim 1, wherein each of the layout rules included in said layout rule change part defines a layout method for each type of the component elements of the information.

8. (Previously Presented) The display device according to claim 1, wherein the layout rules to be selected by said layout rule change part include one type of layout rule for laying out a table element included in the information in a table structure.

9. (Previously Presented) The display device according to claim 1, further comprising a user input process rule change part containing a plurality of predetermined user input process rules applicable to said user input, said user input process rule change part operable to select one of the plurality of user input process rules according to the instruction from said rule change instruction part, wherein

said display range determination part follows the user input process rule selected by said user input process rule change part, and determines the display range of the information based on the user input.

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10. (Previously Presented) The display device according to claim 9, wherein said rule change instruction part instructs, at the same time, said layout rule change part for the change of the layout rules, and said user input process rule change part for the change of the user input process rules.

11. (Currently Amended) A display device for displaying, on a display screen, information specified in a document description language for a structured document, the information being displayed in a mode prescribed for the document description language, and performing a screen switching in response to a user input, said device comprising:

an analyzer operable to analyze the information, and operable to divide the information into a plurality of component elements;

a rule change instruction part operable to make an instruction for a change of rules to be applied when displaying the information;

a layout part operable to lay out each of the component elements derived by said analyzer, and to generate a layout result;

a user input part operable to receive the user input;

a user input process rule change part containing a plurality of user input process rules applicable to the user input, said user input process rule change part operable to select one of the user input process rules according to the instruction from said rule change instruction part;

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a display range determination part operable to follow the user input process rule selected by said user input process rule change part, and operable to determine a display range of the information layout result based on the user input; and

a display part operable to generate screen data of in the display range determined by said display range determination part based on the component elements derived by said analyzer and [[a]] the layout result of each of the component elements, and operable to display the screen data on the display screen.

12. (Previously Presented) The display device according to claim 11, wherein the information includes at least one or more of a text element, a table element, and an image element

13. (Previously Presented) The display device according to claim 11, wherein the document description language is a markup language or a hypertext description language.

14. (Previously Presented) The display device according to claim 11, wherein said rule change instruction part receives the user input, and makes the instruction for the change of the user input process rules.

15. (Previously Presented) The display device according to claim 11, wherein said rule change instruction part refers to the display range determined by said display range determination

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part, and makes the instruction for the change of the user input process rules based on an attribute of each of the component elements included in the display range.

16. (Previously Presented) The display device according to claim 11, wherein said rule change instruction part refers to the display range determined by said display range determination part, and makes the instruction for the change of the user input process rules based on a result of each of the component elements included in the display range.

17. (Previously Presented) The display device according to claim 11, wherein each of the user input process rules included in said user input process rule change part defines a process assigned to each type of the user input.